RECEIVED

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instru	ctions on Re	verse Sid	e)					
Open	Flow												
Delive	erabilty			Jest Da	Jest Date: 5-22-13				API No. 15 15-071-20598 - 00-00				
Company				000	· / •	Lease			07 1 2000	00 00		lumber	
lorsesho	oe Op	erating, Ir	nc.		Floyd				A 2-	Well Number A 2-25			
County Location				Section		TWP			RNG (E/W)		Acres Attributed		
Greeley C SE				25				40W		640			
Field Bradshaw				L. & U	Reservoir L. & U. Winfield			Gas Gatt DCP M	ection				
Completion Date 9/8/93				Plug Ba	Plug Back Total Depth			Packer 5 None					
.5				Internal Diameter 4.052		Set at <b>297</b> 6		Perforations 2849		To 2894	то <b>2894</b>		
ubing Size Weight			Internal Diameter 1.995		Set at 2917		Perforations		То				
pe Comple	etion (C				id Productio			Pump Uni	Plunger? Yes	r? Yes / No			
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitroge	Gas G	Gas Gravity - G			
nnulus								J			,	-g	
Vertical Depth(H)				,	Pressure Taps				(Meter	(Meter Run) (Prover) Size			
2979					Flange					2"			
ressure Bui	ldup:	Shut in	5-21 <sub>2</sub>	o <u>/ろ</u> at	8:58	(AM)(PM)	/ Taken	5-23	20	/3 at <i>8:</i>	<u> 58 </u>	(AN) (PM)	
ell on Line:		Started	2	0 at		(AM) (PM)	Taken		20	at	···-	(AM) (PM)	
2 ./	<del></del> -		····		OBSERVE	O SUPEACE	DATA	<del></del>	· · · · · · · · · · · · · · · · · · ·	D	-	54	
ratic / Orifice Circle one: Pressure			Flowing	OBSERVED SURFACE DATA Flowing Well Head Casing			Tu	Duration of Shu	n of Shut-in _21_7_ Hour				
namic :	Size	Meter Prover Press	Differential ure in	Temperature	Temperature	I Wallhand E		1	d Pressure	Duration (Hours)	,	Liquid Produced	
operty (in	iches)	psig (Pm)	- 1 "" 1	t	t t	psig psig	psia	psig	(P,) or (P <sub>c</sub> )	(Hours)	1	(Barrels)	
nut-fn 2	500						54.6			24		· -	
low							<u> </u>	<del> </del>					
		<u> </u>			FI OW STR	REAM ATTRI	RUTES	<u> </u>	<u> </u>		<u> </u>		
Plate		Circle one:	Press	T :		Flowing			-			F1	
oeffiecient		Meter or	Extension	Grav Fact		Temperature	mperature Fa		Metered Flow R	GOR (Cubic F		Flowing Fluid	
(F <sub>b</sub> ) (F <sub>p</sub> ) Pi		<i>ver Pressure</i> psia	Pmxh			Factor F <sub>II</sub>	F <sub>pv</sub>		(Mcfd)	Barrel		Gravity	
	<del>                                     </del>			1	· · ·		<del> </del>	-				G <sub>m</sub>	
			<u> </u>	OPEN EL C	WA (DELIVE	ERABILITY)	CALCUI	ATIONS	;			l	
<sup>2</sup> =	<del></del> :	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	$P_d = $			- 14.4) +		:		) <sup>2</sup> = 0.2 ) <sup>2</sup> =	207	
P <sub>c</sub> ) <sup>2</sup> • (P <sub>a</sub> ) <sup>2</sup>	(P.	,)²- (P_)²	Choose formula 1 or 2:	LOG of		Backpressure Curve			Γ٦		Open Flow		
or P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	'	" "	2. P <sup>2</sup> -P <sup>2</sup>	pz.pz 1.or2.				n x LC	DG	Antilog		iverability	
c/ '* a/ ,			divided by: P.2 - P.2	and divide by:	P.2-P.2	Assigned Standard Slope		-			Equals R x Antilog (Mcfd)		
				1							<del>                                     </del>	<del></del> .	
·····	<u> </u>							<del> </del>			<del>  -</del>		
n Flow	.1		Mcfd @ 14.6	5 psia	•	Deliverabili	ity		<u> </u>	Acfd @ 14.65 ps	ia		
The under	signed	authority, on	behalf of the C	ompany st	ates that he	is duly aut	norized to	make the				ladaa -£	
			id report is true a				IX	day of	TONAL PROPERTY	L	as KriOWi	o 13	
		, vian oai		oviiest.				**************************************	12	7. /	· ²	20 <u>/</u>	
		1864				_		anic	e K	plux	<u>'CC 1</u>	МСП	
		Witness (if a	any)				1		Fo/Co	pany		11001	
	_	For Commis	sion						Check	ed by	<del>IIIN -</del>	רוור ון	
										•	, <del>, , , ,</del>	- v ZUIJ	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Floyd A 2-25
gas well on the grounds that said well:
is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: 6-18-13  Signature: Janice Ripley
Title: <u>Froduction</u> Assistant

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup-time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.